EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	491	717/141	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:38
L2	120	717/142	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:38
L3	447	717/143	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:38
L5	1693	713/182	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:40
L6	543	713/183	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:40
L7	422	713/184	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:40
L8	872	713/185	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:40
L9	31	(L1 or L2 or L3 or L5 or L6 or L7 or L8) and (common adj password)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:41
L10	0	(L1 or L2 or L3 or L5 or L6 or L7 or L8) and (common adj password) and ((multiple or plural or several or many) adj (rule or syntax))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:42
L11	0	(L1 or L2 or L3 or L5 or L6 or L7 or L8) and (universal adj password) and ((multiple or plural or several or many) adj (rule or syntax))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 08:42

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L12	0	(L1 or L2 or L3 or L5 or L6 or L7 or L8) and ((common or universal) adj password) and ((multiple or plural or several or many) adj (requirement))	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/20 08:43
L13	0	(L1 or L2 or L3 or L5 or L6 or L7 or L8) and ((common or universal) adj password) and ((multiple or plural or several or many) adj (valid))	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/20 08:43
L14	0	(L1 or L2 or L3 or L5 or L6 or L7 or L8) and ((common or universal) adj password) and ((multiple or plural or several or many) adj (valid$6))	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/20 08:44
L15	1	((common or universal) adj password) and ((multiple or plural or several or many) adj (valid$6 or rule or syntax or requirement))	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/20 08:49
L16	13	(cragun.in. and brian.in.) and password	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/20 08:51
L17	2	(cragun.in. and brian.in.) and ((password or syntax) near3 valid$6)	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/20 08:52
L18	1	(hintermeister.in. and gregory. in.) and ((password or syntax) near3 valid$6)	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/02/20 08:52
S1	5597	visual adj feedback	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/12/19 11:08
S2	0	(visual adj feedback) near3 string	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 09:32
S3	12	(visual adj feedback) with string	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 09:38

S4	88	(visual adj feedback) with character	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 09:38
S5	34	(visual adj feedback) near3 character	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 10:22
S6	3	(visual adj feedback) near3 password	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 10:23
S7	38	(visual adj feedback) near3 valid$8	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 10:26
S8	4246	password near3 valid$8	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 10:26
S9	9	(password near3 valid$8) with (continuous or simultaneous)	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 10:29
S10	26	(password near3 feedback)	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 10:36
S11	59	(password near3 visual)	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 10:49
S12	469	(valid$8 near3 feedback)	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 10:49
S13	3	(valid$8 near3 feedback) with password	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 10:55

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S14	3	(visual near3 confirmation) with password	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:11
S15	71	password near3 instant	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:13
S16	62	password with (enter near3 (lack$4 or no or "not"))	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:17
S17	611	password with dynamic$5	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:17
S18	1	password with ((dynamic$5 or runtime) near3 feedback)	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:18
S19	78	password with ((dynamic$5 or runtime) near3 (valid$8 or confirm$8 or authentic$8 or verif$6))	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:20
S20	26	password with ((visual$4) near3 (valid$8 or confirm$8 or authentic$8 or verif$6))	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:30
S21	370	combin$3 near3 password	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:31
S22	1	(combin$3 near3 password) with visual$4	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:32
S23	0	password with (iterat$5 near3 feedback)	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:33

S24	7	password with (iterat$5 near3 (validat$8 or verif$8 or confirm$8 or authentic$8))	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/06/23 13:34
S25	14	("5073933" | "5349642" | "5418854" | "5421006" | "5491752" | "5497421" | "5594921" | "5606614" | "5638513" | "5652793" | "5751812" | "5771287" | "5774552" | "5784560").PN.	US-PGPUB ; USPAT; USOCR	OR	ON	2005/06/23 13:40
S26	11	("5892828").URPN.	USPAT	OR	ON	2005/06/23 13:55
S27	0	(password near3 validation) with ((multiple or plural$6 or several or many) near3 (file or database or resource or program or application or code))	USPAT	OR	ON	2005/06/23 13:58

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1 A framework for password-based authenticated key exchange[1]   ■
Rosario Gennaro, Yehuda Lindell
May 2006 **ACM Transactions on Information and System Security (TISSEC)**, Volume 9
         Issue 2
Publisher: ACM Press
Full text available: 📄 pdf(574.64 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we present a general framework for password-based authenticated key
exchange protocols, in the common reference string model. Our protocol is actually an
abstraction of the key exchange protocol of Katz et al. and is based on the recently
introduced notion of smooth projective hashing by Cramer and Shoup. We gain a number
of benefits from this abstraction. First, we obtain a modular protocol that can be described
using just three high-level cryptographic tools. This allows a simpl ...

Keywords: Passwords, authentication, dictionary attack, projective hash functions

2 Password cracking: a game of wits   ■
Donn Seeley
June 1989 **Communications of the ACM**, Volume 32 Issue 6
Publisher: ACM Press
Full text available: 📄 pdf(488.03 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

The following report has been gleaned from "A Tour of the Worm," an in-depth account of
the November Internet infection. The author found the worm's crypt algorithm a
frustrating, yet engaging, puzzle.

3 The universe model: an approach for improving the modularity and reliability of   ■
concurrent programs
Reimer Behrends, R. E. Kurt Stirewalt
November 2000 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 8th
               ACM SIGSOFT international symposium on Foundations of software
               engineering: twenty-first century applications SIGSOFT '00/FSE-8,**
               Volume 25 Issue 6
Publisher: ACM Press
Full text available: 📄 pdf(1.08 MB)   Additional Information: full citation, abstract, references, index terms

We present the universe model, a new approach to concurrency management that isolates

concurrency concerns and represents them in the modular interface of a component. This approach improves program comprehension, module composition, and reliability for concurrent systems. The model is founded on designer-specified invariant properties, which declare a component's dependencies on other concurrent components. Process scheduling is then automatically derived from these invariants. We illustrate ...

Keywords: component-based software engineering, distributed and parallel systems, reliability, software architecture

4 Risks of passwords
Peter G. Neumann
April 1994 **Communications of the ACM**, Volume 37 Issue 4
Publisher: ACM Press
Full text available: pdf(839.23 KB)   Additional Information: full citation, references, citings, index terms

5 Authentication using graphical passwords: effects of tolerance and image choice
Susan Wiedenbeck, Jim Waters, Jean-Camille Birget, Alex Brodskiy, Nasir Memon
July 2005 **Proceedings of the 2005 symposium on Usable privacy and security SOUPS '05**
Publisher: ACM Press

Full text available: pdf(555.83 KB)   Additional Information: full citation, abstract, references, citings, index terms

Graphical passwords are an alternative to alphanumeric passwords in which users click on images to authenticate themselves rather than type alphanumeric strings. We have developed one such system, called PassPoints, and evaluated it with human users. The results of the evaluation were promising with respect to rmemorability of the graphical password. In this study we expand our human factors testing by studying two issues: the effect of tolerance, or margin of error, in clicking on the password ...

Keywords: PassPoints, authentication, graphical passwords, human factors, password images, password security, tolerance, usable security

6 Public-key cryptography and password protocols: the multi-user case
Maurizio Kliban Boyarsky
November 1999 **Proceedings of the 6th ACM conference on Computer and communications security CCS '99**
Publisher: ACM Press

Full text available: pdf(1.00 MB)   Additional Information: full citation, abstract, references, citings, index terms

The problem of password authentication over an insecure network when the user holds only a human-memorizable password has received much attention in the literature. The first rigorous treatment was provided by Halevi and Krawczyk, who studied off-line password guessing attacks in the scenario in which the authentication server possesses a pair of private and public keys. In this work we: Show the inadequacy of both the HK formalization and protocol in the ...

7 On secure and pseudonymous client-relationships with multiple servers
Eran Gabber, Phillip B. Gibbons, David M. Kristol, Yossi Matias, Alain Mayer
November 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 4
Publisher: ACM Press

Full text available: pdf(161.56 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

This paper introduces a cryptographic engine, Janus, which assists clients in establishing and maintaining secure and pseudonymous relationships with multiple servers. The setting is such that clients reside on a particular subnet (e.g., corporate intranet, ISP) and the servers reside anywhere on the Internet. The Janus engine allows each client-server relationship to use either weak or strong authentication on each interaction. At the same time, each interaction preserves privacy by neithe ...

Keywords: Janus function, anonymity, mailbox, persistent relationship, privacy, pseudonym

8 Identity verification (authentication) working group

Tom Berson, P. Capek, J. Schweitzer, C. Weissman
April 1988 **ACM SIGSAC Review**, Volume 6 Issue 1
Publisher: ACM Press
Full text available: pdf(803.95 KB)   Additional Information: full citation, abstract, index terms

Every reader of this report has at some time verified his or her identity to a computer system. Entry of a userid and password in response to computer prompting is the almost universal model for this simple but essential act.

9 Consistent, yet anonymous, Web access with LPWA

Eran Gabber, Phillip B. Gibbons, David M. Kristol, Yossi Matias, Alain Mayer
February 1999 **Communications of the ACM**, Volume 42 Issue 2
Publisher: ACM Press
Full text available: pdf(207.80 KB)
                   html(30.92 KB)   Additional Information: full citation, references, citings, index terms

10 The failure of anti-hacking legislation: a Hong Kong perspective

Rynson W. H. Lau, Kwok-Yan Lam, Siu-Leung Cheung
January 1996 **Proceedings of the 3rd ACM conference on Computer and communications security CCS '96**
Publisher: ACM Press
Full text available: pdf(765.01 KB)   Additional Information: full citation, references, index terms

11 There's gold in them thar networks! or searching for treasure in all the wrong places

Jerry Martin
November 1993 **Proceedings of the 21st annual ACM SIGUCCS conference on User services SIGUCCS '93**
Publisher: ACM Press
Full text available: pdf(1.60 MB)   Additional Information: full citation, index terms

12 There's gold in them thar networks!: or searching for treasure in all the wrong places

Jerry Martin
December 1992 **Proceedings of the 20th annual ACM SIGUCCS conference on User services SIGUCCS '92**
Publisher: ACM Press
Full text available: Additional Information:

pdf(1.50 MB)   full citation, index terms

13 The domino effect of password reuse

Blake Ives, Kenneth R. Walsh, Helmut Schneider

April 2004 **Communications of the ACM**, Volume 47 Issue 4

Publisher: ACM Press

Full text available: pdf(100.88 KB)   Additional Information: full citation, abstract, references, citings, index
                     html(23.20 KB)   terms

One weak spot is all it takes to open secured digital doors and online accounts causing untold damage and consequences.

14 The trouble with login: on usability and computer security in ubiquitous computing

E. Bardram

November 2005 **Personal and Ubiquitous Computing**, Volume 9 Issue 6

Publisher: Springer-Verlag

Full text available: pdf(439.96 KB)   Additional Information: full citation, abstract, index terms

Logging in by typing usernames and passwords is by far the most common way to access modern computer systems. However, such contemporary user authentication mechanisms are inappropriate in a ubiquitous computing environment, where users constantly are accessing a wide range of different devices. This paper introduces new concepts for user authentication in ubiquitous computing, such as the notion of *proximity-based user authentication* and *silent login*. The design of these new mecha ...

Keywords: Activity-based computing (ABC), Computer-supported cooperative work (CSCW), Electronic patient record (EPR), Healthcare, Hospitals, Login, Ubiquitous computing, User authentication

15 Understanding differences in ethical beliefs and behaviors toward software copying: the effects of organization culture

Diane Lending, Sandra A. Slaughter

April 1999 **Proceedings of the 1999 ACM SIGCPR conference on Computer personnel research SIGCPR '99**

Publisher: ACM Press

Full text available: pdf(978.26 KB)   Additional Information: full citation, references, index terms

Keywords: computer crime, computer education and training, management of information systems, software ethics, software piracy

16 Identification control: Owner-controlled information

Carrie Gates, Jacob Slonim

August 2003 **Proceedings of the 2003 workshop on New security paradigms NSPW '03**

Publisher: ACM Press

Full text available: pdf(1.06 MB)   Additional Information: full citation, abstract, references

Information about individuals is currently maintained in many thousands of databases, with much of that information, such as name and address, replicated across multiple databases. However, this proliferation of personal information raises issues of privacy for the individual, as well as maintenance issues in terms of the accuracy of the information.

Ideally, each individual would own, maintain and control his personal information, allowing access to those who needed at the time it was needed. O ...

Keywords: architecture, privacy, security

17 Lessons from the UNIX breakins at Stanford

Brian Reid
October 1986 **ACM SIGSOFT Software Engineering Notes**, Volume 11 Issue 5
Publisher: ACM Press
Full text available: pdf(635.16 KB)   Additional Information: full citation, citings, index terms

18 Emperor: cheap legal secure cryptography for the Web

Clifton Davis, Christoph F. Eick
February 1999 **Proceedings of the 1999 ACM symposium on Applied computing SAC '99**
Publisher: ACM Press
Full text available: pdf(864.94 KB)   Additional Information: full citation, references, index terms

Keywords: Web security, distributed source cryptography, electronic commerce, public key cryptography

19 Columns: ACM fellow profile: Roger Needham

Tope Omitol
January 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 1
Publisher: ACM Press
Full text available: pdf(542.08 KB)   Additional Information: full citation

20 Stalking the wily hacker

Clifford Stoll
May 1988 **Communications of the ACM**, Volume 31 Issue 5
Publisher: ACM Press
Full text available: pdf(1.60 MB)   Additional Information: full citation, abstract, references, citings, index terms

An astronomer-turned-sleuth traces a German trespasser on our military networks, who slipped through operating system security holes and browsed through sensitive databases. Was it espionage?

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1   User authentication through keystroke dynamics   ☐
Francesco Bergadano, Daniele Gunetti, Claudia Picardi
November 2002 **ACM Transactions on Information and System Security (TISSEC),**
Volume 5 Issue 4
Publisher: ACM Press

Full text available: 📄 pdf(351.02 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Unlike other access control systems based on biometric features, keystroke analysis has not led to techniques providing an acceptable level of accuracy. The reason is probably the intrinsic variability of typing dynamics, versus other---very stable---biometric characteristics, such as face or fingerprint patterns. In this paper we present an original measure for keystroke dynamics that limits the instability of this biometric feature. We have tested our approach on 154 individuals, achieving a F ...

Keywords: Biometric techniques, keystroke analysis

2   Attacking passwords and bringing down the network: Fast dictionary attacks on   ☐
passwords using time-space tradeoff
Arvind Narayanan, Vitaly Shmatikov
November 2005 **Proceedings of the 12th ACM conference on Computer and communications security CCS '05**
Publisher: ACM Press

Full text available: 📄 pdf(189.89 KB)   Additional Information: full citation, abstract, references, citings, index terms

Human-memorable passwords are a mainstay of computer security. To decrease vulnerability of passwords to brute-force dictionary attacks, many organizations enforce complicated password-creation rules and require that passwords include numerals and special characters. We demonstrate that as long as passwords remain human-memorable, they are vulnerable to "smart-dictionary" attacks even when the space of potential passwords is large.Our first insight is that the distribution of letters in easy-to- ...

Keywords: Markov models, cryptanalysis, dictionary attack, passwords, time-space, tradeoff

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